



UNIVERSITY of HAWAII®

MĀNOA

Assistant Professor (Mechanics: Mechatronics)

Position number 0082783, University of Hawaii at Manoa (UHM), College of Engineering (COE), Department of Mechanical Engineering, invites applications for a full-time, general funds, tenure track, faculty position, pending position clearance and availability of funds to begin approximately August 1, 2016.

The University of Hawaii is a Carnegie doctoral/research-extensive university with a strong emphasis on research and graduate education. The Department offers B.S., M.S., and Ph.D. degrees in mechanical engineering, and its undergraduate program is ABET accredited.

For more information on college research themes, please visit our college web site at www.eng.hawaii.edu. The department has active research programs in robotics, control systems, dynamical systems, nanotechnology, corrosion, biotechnology, biomedical engineering, space and ocean science & exploration, renewable energy systems & sustainability, combustion, boiling and two-phase flow, multidisciplinary design and analysis optimization, and high-performance computing.

This faculty could potentially work with UHM School of Ocean and Earth Science and Technology (SOEST) & Institute for Astronomy (IFA) and also contribute to the UH-iLab, Makers, VIP, and Entrepreneurship programs of the College. This faculty can also contribute to the following COE Research Clusters: Autonomous Systems (e.g., UAS, AUV, etc.) and Robotics, Biomedical Engineering, Renewable Energy and Island Sustainability, and Sustainable Materials and Manufacturing Technology.

Duties: Teach and develop undergraduate and graduate courses in Mechanics, Mechatronics, and Engineering Design. Develop externally funded research programs that result in publications in leading scholarly journals; present research work in leading scholarly conferences; supervise graduate students; teach via various distance delivery modes as required; and serve on departmental, college, and university committees.

Minimum qualifications: An earned Ph.D. (All-But-Dissertation, ABD, cases will be considered) in Mechanical Engineering or a closely related field. The candidate should have a background in Mechanics and Electronic aspects of Advanced Systems (such as Robotics, Applied Controls, Biomedical, Design Innovations, Renewable Energy, Manufacturing Technology, and Internet of Things-IoT). The candidate should have experiences in design, analysis, fabrication, and testing of mechatronic systems. Candidates must also show a strong commitment to teaching excellence and mentoring at the undergraduate and graduate levels.

Pay range: Commensurate with qualifications and experience.

To Apply: Only electronic applications are accepted. Applicants should follow the instructions at <http://www4.eng.hawaii.edu/> apply for submission instructions (The applicants should submit a cover letter specifying the position and the research area; a statement on their research interests, activities, and plans; a statement on their teaching philosophy, interests, and plan; a curriculum vitae detailing research and teaching accomplishments; copies of up to 4 relevant publications; and the names, addresses, e-mail and telephone numbers of 4 references). For more information on the Department, please visit our website at www.me.hawaii.edu.

Inquiries: Professor Mehrdad N. Ghasemi-Nejhad, Chair, 808-956-7560, nejhad@hawaii.edu.

Review of applications will begin on February 1, 2016 and will continue until the position is filled.

The University of Hawaii is an equal opportunity/affirmative action institution and is committed to a policy of nondiscrimination on the basis of race, sex, gender identity and expression, age, religion, color, national origin, ancestry, citizenship, disability, genetic information, marital status, breastfeeding, income assignment for child support, arrest and court record (except as permissible under State law), sexual orientation, national guard absence, or status as a covered veteran.

Individuals with disabilities who need a reasonable accommodation for the application or hiring process are encouraged to contact the EEO/AA coordinator(s) for the respective campus.

Employment is contingent on satisfying employment eligibility verification requirements of the Immigration Reform and Control Act of 1986; reference checks of previous employers; and for certain positions, criminal history record checks.

In accordance with the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act, annual campus crime statistics for the University of Hawaii may be viewed at: <http://ope.ed.gov/security/>, or a paper copy may be obtained upon request from the respective UH Public Safety or Administrative Services Office.